

In the Specification:

Please amend the Abstract of the Invention section by deleting the Abstract as it appears in the PCT Publication No. WO2005/017462A1 and replace it with the following replacement Abstract of the Invention section:

A position sensor according to the transit time principle of a mechanical-elastic wave. The position sensor includes a waveguide made of electrically conductive material, and a detector coil in a detector range being arranged coaxially on the waveguide. A position magnet moves along the waveguide and a flux guide unit is assigned to the detector coil.

The required marked-up replacement Abstract of the Invention section is as follows:

Abstract: The invention relates to position sensors, especially the detector unit thereof. The aim of the invention is to simplify one such position sensor such that, in spite of significantly low production costs, the function thereof is ensured with sufficient precision. During the use of an electroconductive waveguide that is also used as an electrical conductor, and when the detector coil is coaxially arranged directly on the electrical conductor and a corresponding shield is especially arranged around the detector coil, especially in the form of a flux concentrating piece, the useful signal is sufficiently different to the existing interfering signals, especially when the shield surrounds the detector coil as tightly as possible. The inventive A position sensor operating according to the propagation transit time principle of a mechanical-elastic wave. The position sensor includes [[comprises]] a waveguide made out of electrically conductive material[[(3)]], and a detector coil [[(5)]] in a detector range being arranged coaxially on the waveguide, (3), and a A positioning elements, e.g. a position[[ing]] magnet (28), that can be displaced moveable along the waveguide [[(3)]]. Said position sensor is characterised in that the waveguide (3) consists of electroconductive material, and the detector coil (5) is arranged coaxially in relation to the waveguide (3) in the detector region. A position magnet moves along the waveguide and a flux guide unit is assigned to the detector coil.